

# Bern Ng

## Software Engineer

Idealist with an empathetic and supportive nature, I love building software products that simplifies one's life with exceptional user experience. I'm a constant learner and I love working with great, genuine people especially in cross-divisional teams where we can learn from each other expertise.

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## EXPERIENCE

### Software Engineer

#### General Assembly

09/2020 - 12/2020

Melbourne, Australia

##### Achievements/Tasks

- Completed 12 weeks of full-time immersive course as a Software Engineer that covers a wide range of full-stack development tools and programming languages such as HTML, CSS, JavaScript, DOM Manipulation, Ruby, Sinatra, Express.js, PostgreSQL, MVC, TDD, REST APIs, React and many more.
- Worked alongside a team of fellow engineers as we collaborated on team projects and self-coordinated on smaller individual projects, utilizing project development tools such as Trello and Whimsical.
- Assisted fellow engineers on the team by providing guidance on best practices through pair programming, code reviews and debugging.
- This role provided me with a strong foundation and understanding of software engineering, the importance of effective team collaboration, project development, and time management skills were tested and improved upon every day.

### Store Administrator

#### IUIGA Technologies

02/2020 - 08/2020

Singapore

##### Achievements/Tasks

- Generating and submitting various daily operational and administrative reports through MS Excel.
- Updating of essential software on the store PC; Corporate e-mail, messaging, operating system.
- This role allowed me to develop strong customer and team skills and ignited my interest in pursuing software engineering, which led me to enroll in General Assembly.

### Fitness Coach

#### Fitness First

11/2018 - 08/2019

Singapore

##### Achievements/Tasks

- Maximized customer satisfaction level through feedback data and services rendered.
- Prepared & submitted daily reports on condition of the fitness center amenities, gym equipment, and the fitness department KPIs.
- Coordinated with team members of different departments to plan and meet various monthly KPIs.

## TECHNICAL SKILLS

HTML & CSS	JavaScript
PostgreSQL	MongoDB
Ruby	Sinatra
Ruby on Rails	Bootstrap
React.js	Express.js
Jest	Firebase
REST APIs	Postman
Git & GitHub	Heroku

## PROJECTS

### GENERAL ASSEMBLY

#### Spice Beanery

- Built with React, React Router, Firebase Auth & Realtime Database, LocalStorage, ES6+ JavaScript, React Transition Group, Stylus.
- Created a cafe menu-theme web app that users can personalize their very own order by adding or removing items. Users also have the option to sign in through any of the 3rd party sign-in method available to gain access to the app database and modify the items of the app.

#### Burger Tracker

- Built with Express.js, Axios, EJS Templates, JavaScript, DOM and Google Maps APIs.
- Made a restaurant finder app in a developer team of 5, which specializes in tracking burger joints in the vicinity based on current user location. The information of the restaurant details are being drawn from the JSON data provided by Google Maps APIs.

#### Fitnected

- Built on Ruby, Sinatra routing, BCrypt hashing, PostgreSQL database, Google Maps API.
- Created a fitness management portal for users to register an account to log their exercises and diet with pictures. The profile contents will only be unique to the logged in user account. It contains database protection against SQL injection and utilizes password hashing for securing data.

#### Tic-Tac-Toe

- Built on HTML5, CSS3, vanilla JavaScript, DOM API.
- Produced a turn-based web app game that features a user player and a computer. As the user clicks on any of the 3x3 outlined grid, the computer will respond by placing its randomized token on any of the available spaces.

### PERSONAL PROJECTS

#### Mailchimp Newsletter

- Created a newsletter signup page with a simple interface that uses Mailchimp Marketing API to manage user audiences.
- Implemented a custom message to notify users when their subscription sign-up fails authentication or successfully subscribed to the marketing audience list.

## EDUCATION

### Software Engineering Immersive General Assembly

09/2020 - 12/2020

Melbourne, Australia

### Web Development

#### Codecademy

03/2020 - 12/2020

New York, USA

### International Diploma in Personal Training

#### European Institute of Fitness (EiF)

2014 - 2014

Shrewsbury, UK

### Business Management & Finance Foundation

#### Bellerbys College

2013 - 2014

Oxford, UK

## ONLINE COURSES

### Complete Web Development Bootcamp, 55 hours (12/2020 - Present)

*Udemy*

### Understanding TypeScript - 2021 Edition, 15 hours (01/2021 - Present)

*Udemy*

### Complete Python Pro Bootcamp 2021, 60 hours (01/2021 - Present)

*Udemy*

## PROJECTS

### To-Do List

- Created this app with the functionality to persist data in MongoDB Atlas using Mongoose.
- Added an infinite list creation feature where users can simply type their new list name after the homepage URL.

### Simon Game

- Implemented a level functionality to the game and increment its level each time the user passes a game level.
- Adjusted the difficulty of the game to increase as the value of the level gets incrementally higher with each round.

## HOBBIES & INTERESTS

 Baking - I go nuts for any good quality pastries and love baking for others. My Banana Bread is a must-try!

 Fitness - I passionately train at the gym and have a non-dull healthy diet 6 times a week, with a goal to be a competitive athlete.

 Coffee - Multiple daily dose of artisanal coffee is my life, particularly lattes and local cafes are always on my to-dos during my travels.

 Video Games - My go-to activity for a relaxing indoor downtime, normally paired with a good cup of joe. Games I play include Assassin's Creed, God of War, Don't Starve Together and many more.